

Recovery Plan Action Status

Plan Name: Recovery Plan *Cornutia obovata* and *Daphnopsis hellerana* (2 spp.)

Plan Status: Final

Plan Date: 07-Aug-92

Lead Agency: USFWS

Lead Office: Caribbean Ecological Services Field Office

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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Palo de nigua (<i>Cornutia obovata</i>), No common name (<i>Daphnopsis hellerana</i>)	2	10	Evaluate seed production and dispersal mechanisms	Not Started			Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Species Expert	Task duration: 2-4 years
Palo de nigua (<i>Cornutia obovata</i>), No common name (<i>Daphnopsis hellerana</i>)	2	11	Evaluate seed viability and germination requirements	Ongoing Current	FY 2006	FY 2011	Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Labor type not yet selected	Task duration 2-4 years.
Palo de nigua (<i>Cornutia obovata</i>), No common name (<i>Daphnopsis hellerana</i>)	2	12	Assess requirements for seedling establishment and growth	Partially Complete	FY 2006	FY 2011	Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Species Expert	Task duration 2-4 years.
Palo de nigua (<i>Cornutia obovata</i>), No common name (<i>Daphnopsis hellerana</i>)	2	13	Evaluate feasibility of artificial propagation	Ongoing Current	FY 2006	FY 2011	Botanical Gardens, Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Species Expert	Task duration: 2-4 years
Palo de nigua (<i>Cornutia obovata</i>), No common name (<i>Daphnopsis hellerana</i>)	1	14	Conduct artificial propagation	Ongoing Current	FY 2006	FY 2011	Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Species Expert	
Palo de nigua (<i>Cornutia obovata</i>), No common name (<i>Daphnopsis hellerana</i>)	2	15	Select appropriate sites for population introduction or enhancement	Ongoing Current	FY 2006	FY 2011	Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Labor type not yet selected	Task duration: 2-4 years
Palo de nigua (<i>Cornutia obovata</i>), No common name (<i>Daphnopsis hellerana</i>)	2	16	Assure site protection	Ongoing Current	FY 2006	FY 2011	Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Internal Administrative	

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Palo de nigua (Cornutia obovata), No common name (Daphnopsis hellerana)	1	17	Plant seedlings of Cornutia obovata and Daphnopsis hellerana	Ongoing Current	FY 2006	FY 2011	Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Work type not yet selected	Species Expert	
Palo de nigua (Cornutia obovata), No common name (Daphnopsis hellerana)	2	18	Determine number of populations and individuals necessary to ensure species' stability	Not Started			Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Labor type not yet selected	
Palo de nigua (Cornutia obovata), No common name (Daphnopsis hellerana)	2	19	Determine what additional actions are necessary to achieve recovery goals	Not Started			Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	
No common name (Daphnopsis hellerana)	1	2	Protect privately-owned sites for Daphnopsis hellerana	Not Started			Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Work type not yet selected	Internal Administrative	Through purchase and conservation easements
No common name (Daphnopsis hellerana)	1	4	Formalize protection of known individuals of D. hellerana on NIH property	Complete	FY 2006	FY 2007	U.S. Fish and Wildlife enhancement, National Institute of Health	Acquisition: General	Labor type not yet selected	At no cost
Palo de nigua (Cornutia obovata), No common name (Daphnopsis hellerana)	1	5	Monitor all known populations	Ongoing Not Current			Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Contract, Graduate Student, Internal Technical Assistance	
Palo de nigua (Cornutia obovata), No common name (Daphnopsis hellerana)	1	6	Enforce existing Commonwealth and Federal endangered species regulations	Ongoing Current	Prior to FY 1995	FY 2011	U.S. Fish and Wildlife Service, Law Enforcement Division, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Other: Law Enforcement, Other: Regulations	Internal Administrative	One ranger half-time

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Palo de nigua (Cornutia obovata), No common name (Daphnopsis hellerana)	2	7	Continue to search for new populations	Not Started			Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Work type not yet selected	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	
Palo de nigua (Cornutia obovata), No common name (Daphnopsis hellerana)	2	8	Assess habitat requirements	Not Started			Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	Task duration: 2-4 years
Palo de nigua (Cornutia obovata), No common name (Daphnopsis hellerana)	2	9	Assess phenology and pollination mechanisms	Not Started			Universities, Puerto Rico Department of Natural Resources, U.S. Fish and Wildlife enhancement	Work type not yet selected	Contract, Graduate Student, Internal Technical Assistance, Species Expert	Task duration: 2-4 years